

Main

Product or component type	Passive filter
Product specific application	Reduction of current harmonics

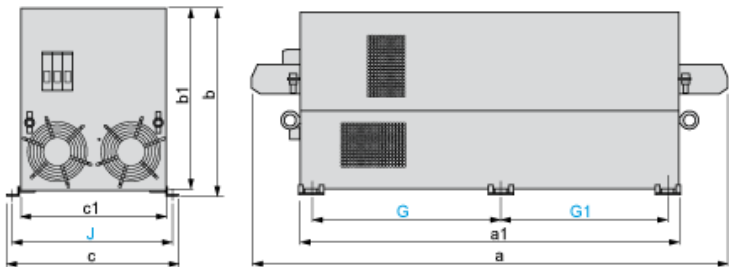
Complementary

Range compatibility	Altivar 61 Altivar 71
[Us] rated supply voltage	400 V (+/- 10 %)
Power supply frequency	50 Hz (tolerance: +/- 5 %)
Quantity per drive	1 filter per drive for ATV71WD75N4 1 filter per drive for ATV71HD90N4 1 filter per drive for ATV71HD75N4 1 filter per drive for ATV61WD90N4C 1 filter per drive for ATV61WD90N4 1 filter per drive for ATV61WD75N4C 1 filter per drive for ATV61WD75N4 1 filter per drive for ATV61HD90N4 1 filter per drive for ATV61HD75N4
[In] rated current	144 A
Network number of phases	3 phases
THDI	5 % for ATV71HD90N4 ATV71H motor: 90 kW / 125 hp 5 % for ATV61WD90N4C ATV61W motor: 90 kW / 125 hp 5 % for ATV61WD90N4 ATV61W motor: 90 kW / 125 hp 5 % for ATV61WD75N4C ATV61W motor: 75 kW / 100 hp 5 % for ATV61WD75N4 ATV61W motor: 75 kW / 100 hp 5 % for ATV61HD90N4 ATV61H motor: 90 kW / 125 hp 10 % for ATV71WD75N4 ATV71W motor: 75 kW / 100 hp 10 % for ATV71HD75N4 ATV71H motor: 75 kW / 100 hp 10 % for ATV61HD75N4 ATV61H motor: 75 kW / 100 hp
Max current	1.5 x nominal current
Efficiency	98 %
Cos phi	0.99 at 100 % of line current 0.85 at 75 % of line current 1 at 150 % of line current
Electrical connection	Bare wires, Ø = 12.5 mm
Electrical insulation class	Class F
Product weight	167 kg

Environment

IP degree of protection	IP20
Relative humidity	5...85 % without condensation
Ambient air temperature for operation	5...40 °C without current derating > 40...55 °C with current derating 3 % per °C
Ambient air temperature for storage	> -25...55 °C
Operating altitude	> 1000...4000 m with current derating 5 % per 1000 m <= 1000 m without current derating

Dimensions



Dimensions in mm

a	a1	b	b1	c	c1	G	G1	J
1060	830	400	390	393	345	395	377	370

Dimensions in in.

a	a1	b	b1	c	c1	G	G1	J
41.73	32.68	15.74	15.35	15.47	13.58	15.55	14.84	14.57

Mounting Recommendations

Horizontal or Vertical Mounting

